FIG. 1

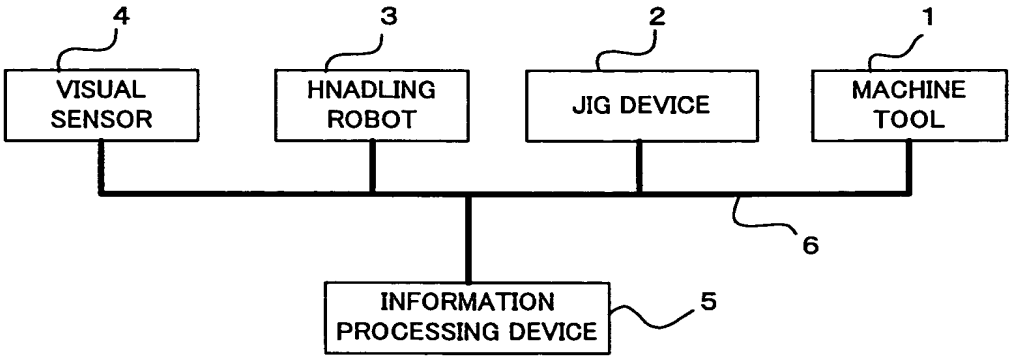


FIG. 2

10

KIND OF WORKPIECE	VISUAL SENSOR	HANDLING ROBOT	JIG DEVICE	MACHINE TOOL
K1	W001	PNS0001	RIGHT	LX20
K2	W002	PNS0002	LEFT	LX21
K3	W002	PNS0003	RIGHT	LX22
K4	W002	PNS0003	RIGHT	LX23
K5	W003	PNS0004	UP	LX24
K6	W003	PNS0005	DOWN	LX25
K7	W012	PNS0006	RIGHT	LX26
K8	W003	PNS0007	LEFT	LX27

FIG. 3

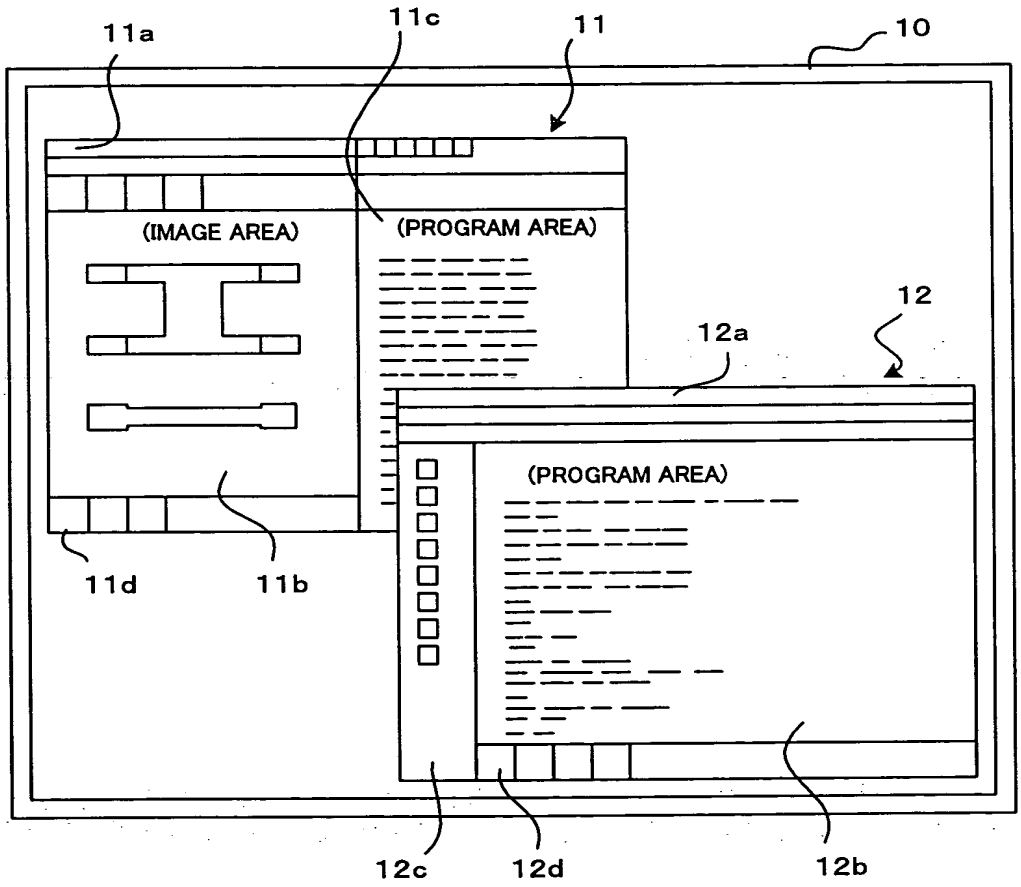

11a
11c
11
10
(IMAGE AREA)
(PROGRAM AREA)
12
12a
(PROGRAM AREA)
11d
11b
12c
12d
12b

FIG. 4

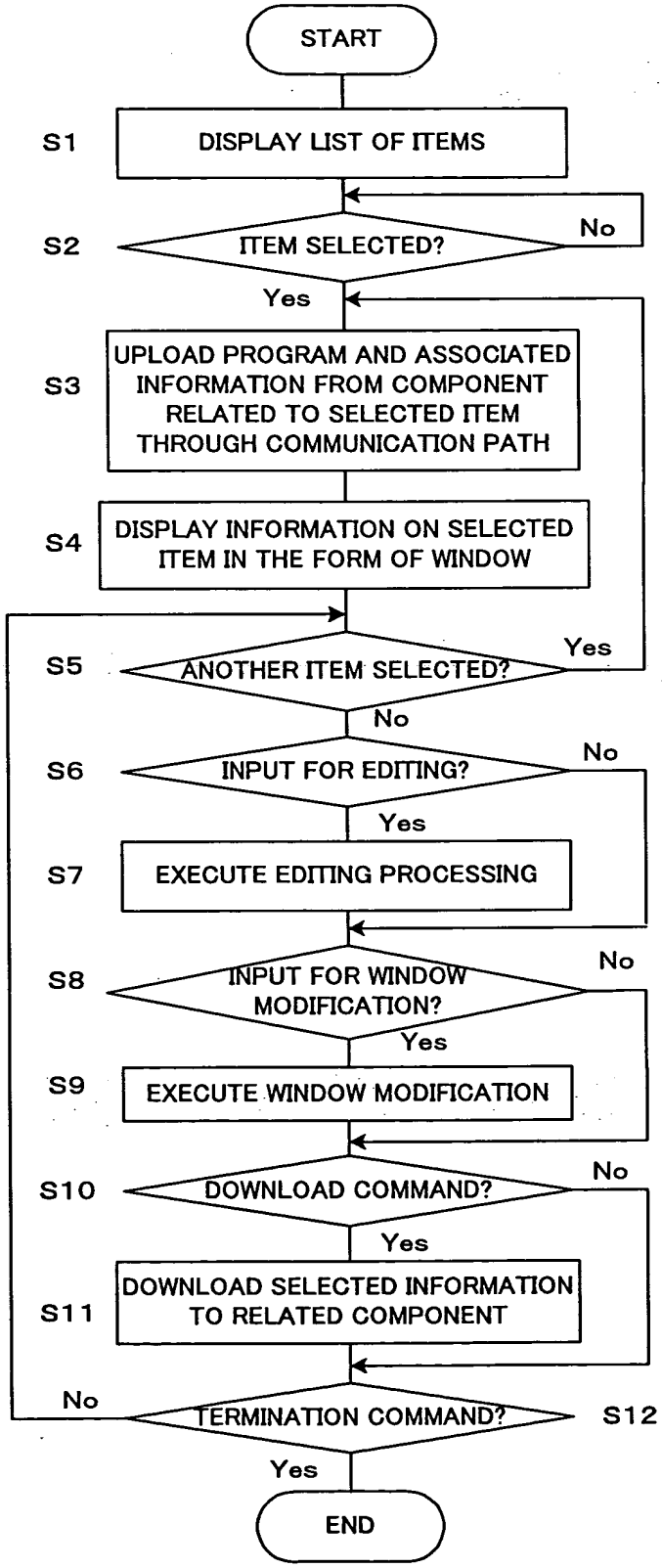
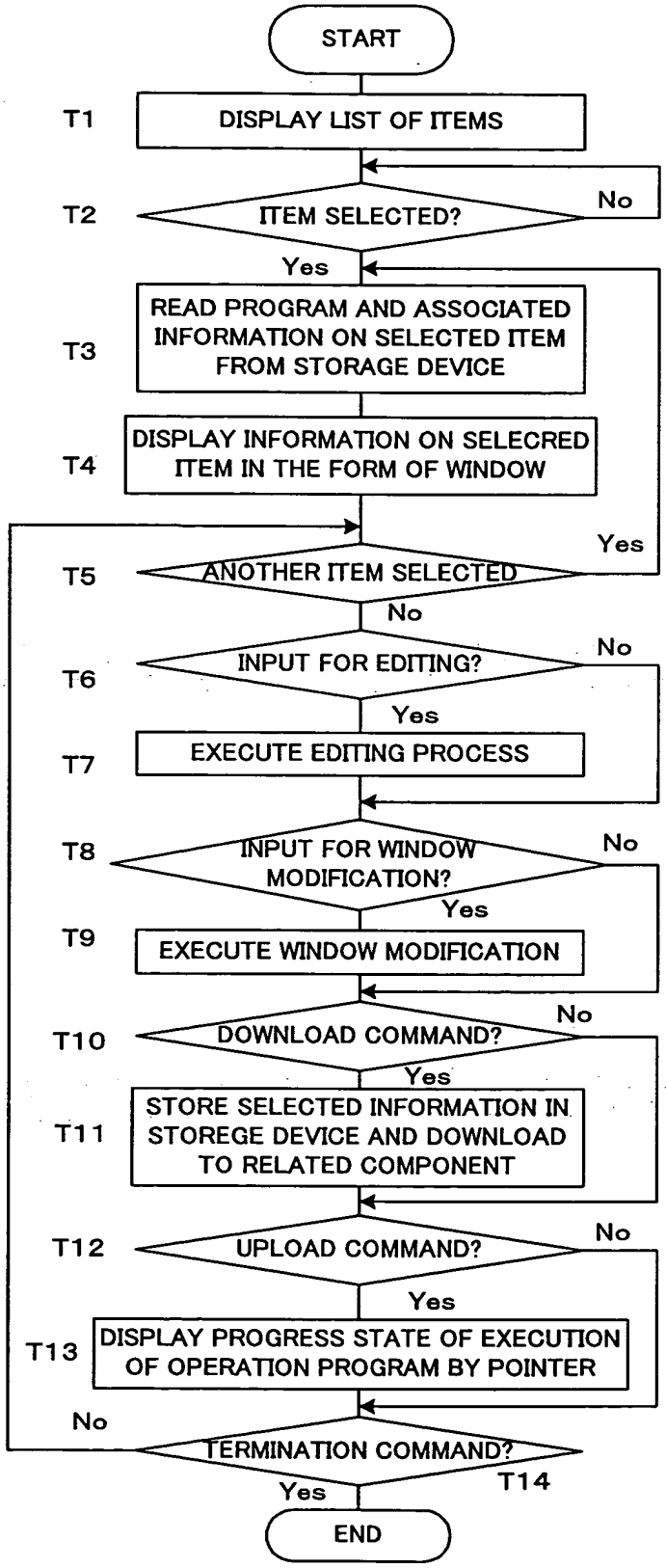

START
S1
DISPLAY LIST OF ITEMS
S2
ITEM SELECTED?
No
Yes
S3
UPLOAD PROGRAM AND ASSOCIATED INFORMATION FROM COMPONENT RELATED TO SELECTED ITEM THROUGH COMMUNICATION PATH
S4
DISPLAY INFORMATION ON SELECTED ITEM IN THE FORM OF WINDOW
S5
ANOTHER ITEM SELECTED?
Yes
No
S6
INPUT FOR EDITING?
No
Yes
S7
EXECUTE EDITING PROCESSING
S8
INPUT FOR WINDOW MODIFICATION?
No
Yes
S9
EXECUTE WINDOW MODIFICATION
S10
DOWNLOAD COMMAND?
No
Yes
S11
DOWNLOAD SELECTED INFORMATION TO RELATED COMPONENT
No
TERMINATION COMMAND?
S12
Yes
END

FIG. 5


START
T1
DISPLAY LIST OF ITEMS
T2
ITEM SELECTED?
No
Yes
T3
READ PROGRAM AND ASSOCIATED INFORMATION ON SELECTED ITEM FROM STORAGE DEVICE
T4
DISPLAY INFORMATION ON SELECRED ITEM IN THE FORM OF WINDOW
T5
ANOTHER ITEM SELECTED
Yes
No
T6
INPUT FOR EDITING?
No
Yes
T7
EXECUTE EDITING PROCESS
T8
INPUT FOR WINDOW MODIFICATION?
No
Yes
T9
EXECUTE WINDOW MODIFICATION
T10
DOWNLOAD COMMAND?
No
Yes
T11
STORE SELECTED INFORMATION IN STOREGE DEVICE AND DOWNLOAD TO RELATED COMPONENT
T12
UPLOAD COMMAND?
No
Yes
T13
DISPLAY PROGRESS STATE OF EXECUTION OF OPERATION PROGRAM BY POINTER
No
TERMINATION COMMAND?
T14
Yes
END